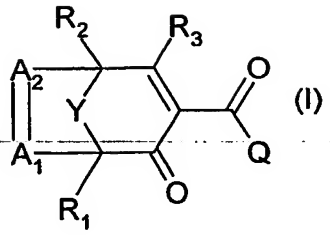
What is claimed is:

1. A compound of formula I



(I)

wherein

Y is oxygen, NR_{4a}, sulfur, sulfonyl, sulfinyl, C(O), $C(=NR_{4b})$, $C(=CR_{6a}R_{6b})$ or a C_1-C_4alkylene or C_2-C_4alkenylene chain, which may be interrupted by oxygen, NR_{5a}, sulfur, sulfonyl, sulfinyl, C(O) or $C(=NR_{5b})$ and/or mono- or poly-substituted by R_6;

A_1 is nitrogen or CR_7;

A_2 is nitrogen or CR_8;

R_1, R_2, R_6, R_7 and R_8 are each independently of the others hydrogen, hydroxy, mercapto, NO_2, cyano, halogen, formyl, oxyiminomethylene, C_1-C_6alkoxyiminomethylene, C_1-C_6alkyl, C_1-C_6haloalkyl, C_2-C_6alkenyl, C_2-C_6haloalkenyl, C_2-C_6alkynyl, C_2-C_6haloalkynyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_3-C_6alkenyloxy, C_3-C_6alkynyloxy, C_3-C_6oxacycloalkyl, C_3-C_6thiacycloalkyl, C_3-C_6dioxacycloalkyl, C_3-C_6dithiacycloalkyl, C_3-C_6oxathiacycloalkyl, C_1-C_6alkoxycarbonyl, C_1-C_6alkylcarbonyl, C_1-C_6alkoxycarbonyloxy, C_1-C_6alkylcarbonyloxy, C_1-C_6alkylthio, C_1-C_6-alkylsulfonyl, C_1-C_6alkylsulfinyl, NR_9R_{10}, C_3-C_6cycloalkyl, tri(C_1-C_6alkyl)silyl, di(C_1-C_6alkyl)-phenylsilyl, tri(C_1-C_6alkyl)silyloxy, di(C_1-C_6alkyl)phenylsilyloxy or Ar_1;

or R_1, R_2, R_6, R_7, R_8 are each independently of the others a C_1-C_6alkyl, C_2-C_6alkenyl, C_2-C_6alkynyl or C_3-C_6cycloalkyl group, which may be interrupted by oxygen, sulfur, sulfonyl, sulfinyl, $-NR_{11}-$ or –C(O)- and/or mono-, di- or tri-substituted by hydroxy, mercapto, NO_2, cyano, halogen, formyl, C_1-C_6alkoxy, C_3-C_6alkenyloxy, C_3-C_6alkynyloxy, C_1-C_6haloalkoxy, C_1-C_2alkoxy-C_1-C_2alkoxy, C_1-C_4alkoxycarbonyloxy, C_1-C_4alkylcarbonyloxy, C_1-C_4alkoxy-carbonyl, C_1-C_4alkylcarbonyl, C_1-C_6alkylthio, C_1-C_6alkylsulfinyl, C_1-C_6alkylsulfonyl, $NR_{12}R_{13}$, C_1-C_6alkyl, C_2-C_6alkenyl, C_2-C_6alkynyl, C_3-C_6cycloalkyl, tri(C_1-C_6alkyl)silyl, tri(C_1-C_6alkyl)-silyloxy or Ar_2;

or two substituents R_6 at the same carbon atom together form a $–CH_2O-$ or a C_2-C_5alkylene chain, which may be interrupted once or twice by oxygen, sulfur, sulfinyl or sulfonyl and/or mono- or poly-substituted by R_{6c}, with the proviso that two hetero atoms may not be located next to one another;

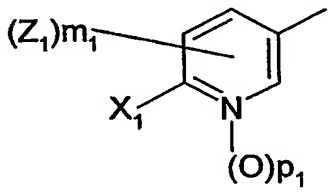
or two substituents R_6 at different carbon atoms together form an oxygen bridge or a C_1-C_4alkylene chain, which may in turn be substituted by R_{6c};

or R_7 and R_8 together form a -CH_2CH=CH-, -OCH=CH- or –CH=CH-CH=CH- bridge or a C_3-C_4alkylene chain, which may be interrupted by oxygen or –$S(O)_{n1}$- and/or mono- or poly-substituted by R_{6d};

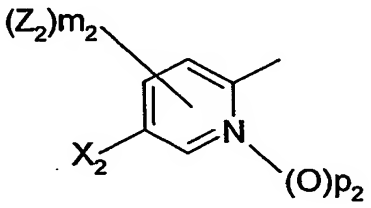
R_3 is hydroxy, halogen, mercapto, C_1-C_8alkylthio, C_1-C_8alkylsulfinyl, C_1-C_8alkylsulfonyl, C_1-C_8haloalkylthio, C_1-C_8haloalkylsulfinyl, C_1-C_8haloalkylsulfonyl, C_1-C_4alkoxy-C_1-C_4alkylthio, C_1-C_4alkoxy-C_1-C_4alkylsulfinyl, C_1-C_4alkoxy-C_1-C_4alkylsulfonyl, C_3-C_8alkenylthio, C_3-C_8-alkynylthio, C_1-C_4alkylthio-C_1-C_4alkylthio, C_3-C_4alkenylthio-C_1-C_4alkylthio, C_1-C_4alkoxy-carbonyl-C_1-C_4alkylthio, C_1-C_4alkoxycarbonyl-C_1-C_4alkylsulfinyl, C_1-C_4alkoxycarbonyl-C_1-C_4alkylsulfonyl, C_3-C_8cycloalkylthio, C_3-C_8cycloalkylsulfinyl, C_3-C_8cycloalkylsulfonyl, phenyl-C_1-C_4alkylthio, phenyl-C_1-C_4alkylsulfinyl, phenyl-C_1-C_4alkylsulfonyl, $S(O)n_1$-Ar_3, phenylthio, phenylsulfinyl, phenylsulfonyl, it being possible for the phenyl-containing groups to be substituted by one or more C_1-C_3alkyl, C_1-C_3haloalkyl, C_1-C_3alkoxy, C_1-C_3haloalkoxy, C_1-C_4alkoxycarbonyl, halogen, cyano, hydroxy or nitro groups;

or R_3 is O^-M^+, wherein M^+ is an alkali metal cation or an ammonium cation;

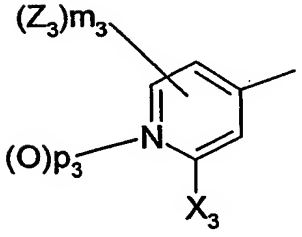
Q is a radical



(Q_1),



(Q_2) or



(Q_3), wherein

p_1, p_2 and p_3 are 0 or 1;

m_1, m_2 and m_3 are 1, 2 or 3;

X_1, X_2 and X_3 are hydroxy, halogen, C_1-C_6alkyl, C_1-C_6haloalkyl, C_2-C_6alkenyl, C_2-C_6haloalkenyl, C_2-C_6alkynyl, C_2-C_6haloalkynyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_1-C_6alkylthio, C_1-C_6alkylsulfinyl, C_1-C_6alkylsulfonyl, C_1-C_6haloalkylthio, C_1-C_6haloalkylsulfinyl or C_1-C_6haloalkylsulfonyl;

Z_1, Z_2 and Z_3 are C_1-C_6alkyl which is substituted by the following substituents: C_3-C_4cycloalkyl or C_3-C_4cycloalkyl substituted by halogen, C_1-C_6alkyl, C_1-C_3alkoxy or C_1-C_3alkoxy-

C_1-C_3alkyl; oxiranyl or oxiranyl substituted by C_1-C_6alkyl or C_1-C_3alkoxy-C_1-C_3alkyl; 3-oxetanyl or 3-oxetanyl substituted by C_1-C_6alkyl, C_1-C_3alkoxy or C_1-C_3alkoxy-C_1-C_3alkyl; 3-oxetanyloxy or 3-oxetanyloxy substituted by C_1-C_6alkyl, C_1-C_3alkoxy or C_1-C_3alkoxy-C_1-C_3-alkyl; C_3-C_6cycloalkyloxy or C_3-C_4cycloalkyloxy substituted by halogen, C_1-C_6alkyl, C_1-C_3-alkoxy or C_1-C_3alkoxy-C_1-C_3alkyl; C_1-C_6haloalkoxy; C_1-C_6alkylsulfonyloxy; C_1-C_6haloalkyl-sulfonyloxy; phenylsulfonyloxy; benzylsulfonyloxy; benzoyloxy; phenoxy; phenylthio; phenyl-sulfinyl; phenylsulfonyl; Ar_{10}; OAr_{12}; tri(C_1-C_6alkyl)silyl or tri(C_1-C_6alkyl)silyloxy, it being possible for the phenyl-containing groups to be mono- or poly-substituted by C_1-C_3alkyl, C_1-C_3haloalkyl, C_1-C_3alkoxy, C_1-C_3haloalkoxy, halogen, cyano, hydroxy or nitro;
or Z_1, Z_2 and Z_3 are 3-oxetanyl; 3-oxetanyl substituted by C_1-C_3alkoxy, C_1-C_3alkoxy-C_1-C_3alkyl or C_1-C_6alkyl; C_3-C_6cycloalkyl substituted by halogen, C_1-C_3alkyl or C_1-C_3alkoxy-C_1-C_3alkyl; tri(C_1-C_6alkyl)silyl; tri(C_1-C_6alkyl)silyloxy or CH=P(phenyl)$_3$;
or Z_1, Z_2 and Z_3 are a C_1-C_6alkyl, C_2-C_6alkenyl or C_2-C_6alkynyl group, which is interrupted by oxygen, -O(CO)-, -(CO)O-, -O(CO)O-, -N(R_{14})O-, -ONR_{15}-, sulfur, sulfinyl, sulfonyl, -SO_2NR_{16}-, -N$R_{17}$$SO_2$- or –N$R_{18}$- and is mono- or poly-substituted by L_1; it also being possible for L_1 to be bonded at the terminal carbon atom of the C_1-C_6alkyl, C_2-C_6alkenyl or C_2-C_6alkynyl group;
or Z_1, Z_2 and Z_3 are hydrogen, hydroxy, mercapto, NO_2, cyano, halogen, formyl, C_1-C_6alkyl, C_1-C_6haloalkyl, C_2-C_6alkenyl, C_2-C_6haloalkenyl, C_2-C_6alkynyl, C_2-C_6haloalkynyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_1-C_6alkoxycarbonyl, C_1-C_6alkylcarbonyl, C_1-C_6alkylthio, C_1-C_6alkylsulfonyl, C_1-C_6alkylsulfinyl, N$R_{22}$$R_{23}$, phenyl which may be mono- or poly-substituted by C_1-C_3alkyl, C_1-C_3haloalkyl, C_1-C_3alkoxy, C_1-C_3haloalkoxy, halogen, cyano, hydroxy or nitro, C_3-C_6cyclo-alkyl, C_5-C_6cycloalkyl substituted by C_1-C_3alkoxy, C_1-C_3alkoxy-C_1-C_3alkyl or C_1-C_6alkyl, or Ar_5, O-Ar_8, N(R_{24})Ar_7 or S(O)$n_6$$Ar_8$;
L_1 is hydrogen, halogen, hydroxy, amino, formyl, nitro, cyano, mercapto, carbamoyl, P(O)(OC_1-C_6alkyl)$_2$, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_1-C_6alkoxycarbonyl, C_2-C_6alkenyl, C_2-C_6haloalkenyl, C_2-C_6alkynyl, C_2-C_6haloalkynyl, C_3-C_6cycloalkyl, halo-substituted C_3-C_6cycloalkyl, C_3-C_6alkenyloxy, C_3-C_6alkynyloxy, C_3-C_6haloalkenyloxy, cyano-C_1-C_6alkoxy, C_1-C_6alkoxy-C_1-C_6alkoxy, C_1-C_6alkylthio-C_1-C_6alkoxy, C_1-C_6alkylsulfinyl-C_1-C_6alkoxy, C_1-C_6-alkylsulfonyl-C_1-C_6alkoxy, C_1-C_6alkoxycarbonyl-C_1-C_6alkoxy, C_1-C_6alkylcarbonyloxy-C_1-C_6-alkylcarbonyl, C_1-C_6alkylthio, C_1-C_6alkylsulfinyl, C_1-C_6alkylsulfonyl, C_1-C_6haloalkylthio, C_1-C_6haloalkylsulfinyl, C_1-C_6haloalkylsulfonyl or oxiranyl, which may in turn be substituted by C_1-C_6alkyl, C_1-C_3alkoxy or C_1-C_3alkoxy-C_1-C_3alkyl, or (3-oxetanyl)-oxy, which may in turn be substituted by C_1-C_6alkyl, C_1-C_3alkoxy or C_1-C_3alkoxy-C_1-C_3alkyl, or benzoyloxy, benzyloxy, benzylthio, benzylsulfinyl, benzylsulfonyl, C_1-C_6alkylamino, di(C_1-C_6alkyl)amino, R_{19}S(O)$_2$O-, R_{20}N(R_{21})SO_2-, rhodano, phenyl, phenoxy, phenylthio, phenylsulfinyl, phenylsulfonyl, Ar_4 or

OAr_{11}, it being possible for the phenyl-containing groups in turn to be substituted by one or more C_1-C_3alkyl, C_1-C_3haloalkyl, C_1-C_3alkoxy, C_1-C_3haloalkoxy, halogen, cyano, hydroxy or nitro groups;

R_{4a} and R_{5a} are each independently of the other hydrogen, C_1-C_6alkyl, C_1-C_6haloalkyl, cyano, formyl, C_1-C_6alkylcarbonyl, C_1-C_6alkoxycarbonyl, carbamoyl, C_1-C_6alkylaminocarbonyl, di(C_1-C_6alkylamino)carbonyl, di(C_1-C_6alkylamino)sulfonyl, C_3-C_6cycloalkylcarbonyl, C_1-C_6-alkylsulfonyl, phenylcarbonyl, phenylaminocarbonyl or phenylsulfonyl, it being possible for the phenyl groups to be mono- or poly-substituted by C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6-alkoxy, C_1-C_6haloalkoxy, halogen, cyano, hydroxy or nitro;

R_{4b} and R_{5b} are each independently of the other hydroxy, C_1-C_6alkoxy, C_3-C_6alkenyloxy, C_3-C_6alkynyloxy or benzyloxy, it being possible for the benzyl group to be mono- or poly-substituted by C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, halogen, cyano, hydroxy or nitro;

R_9, R_{11}, R_{13}, R_{16}, R_{17}, R_{18}, R_{20}, R_{23} and R_{24} are each independently of the others hydrogen, C_1-C_6alkyl, Ar_9, C_1-C_6haloalkyl, C_1-C_6alkylcarbonyl, C_1-C_6alkoxycarbonyl, C_1-C_6alkylsulfonyl, phenyl, it being possible for the phenyl group in turn to be mono- or poly-substituted by C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, halogen, cyano, hydroxy or nitro;

R_{6a} is hydrogen, C_1-C_6alkyl or C_1-C_6alkylcarbonyl; or together with R_{6b} is a C_2-C_5alkylene chain;

R_{6b}, R_{6d}, R_{10}, R_{12} and R_{22} are each independently of the others hydrogen or C_1-C_6alkyl;

R_{6c}, R_{14}, R_{15}, R_{19} and R_{21} are each independently of the others C_1-C_6alkyl or C_1-C_6haloalkyl;

Ar_1, Ar_2, Ar_3, Ar_4, Ar_5, Ar_6, Ar_7, Ar_8, Ar_9, Ar_{10}, Ar_{11} and Ar_{12} are each independently of the others a five- to ten-membered, monocyclic or fused bicyclic ring system, which may be aromatic, partially saturated or fully saturated and may contain from 1 to 4 hetero atoms selected from nitrogen, oxygen, sulfur, C(O) and C(=NR_{25}), and each ring system may contain not more than two oxygen atoms, not more than two sulfur atoms, not more than two C(O) groups and not more than one C(=NR_{25}) group, and each ring system may itself be mono- or poly-substituted by C_1-C_6alkyl, C_1-C_6haloalkyl, C_2-C_6alkenyl, C_2-C_6haloalkenyl, C_2-C_6alkynyl, C_2-C_6haloalkynyl, C_1-C_6alkoxy, C_1-C_6haloalkoxy, C_3-C_6alkenyloxy, C_3-C_6alkynyl-oxy, mercapto, amino, hydroxy, C_1-C_6alkylthio, C_1-C_6haloalkylthio, C_3-C_6alkenylthio, C_3-C_6-haloalkenylthio, C_3-C_6alkynylthio, C_1-C_3alkoxy-C_1-C_3alkylthio, C_1-C_4alkylcarbonyl-C_1-C_3alkyl-thio, C_1-C_4alkoxycarbonyl-C_1-C_3alkylthio, cyano-C_1-C_3alkylthio, C_1-C_6alkylsulfinyl, C_1-C_6halo-alkylsulfinyl, C_1-C_6alkylsulfonyl, C_1-C_6haloalkylsulfonyl, aminosulfonyl, C_1-C_2alkylamino-sulfonyl, N,N-di(C_1-C_2alkyl)aminosulfonyl, di(C_1-C_4alkyl)amino, halogen, cyano, nitro or phenyl, it being possible for the phenyl group in turn to be substituted by hydroxy, C_1-C_6-alkylthio, C_1-C_6haloalkylthio, C_3-C_6alkenylthio, C_3-C_6haloalkenylthio, C_3-C_6alkynylthio,

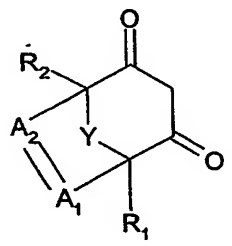
C_1-C_3alkoxy-C_1-C_3alkylthio, C_1-C_4alkylcarbonyl-C_1-C_3alkylthio, C_1-C_4alkoxycarbonyl-C_1-C_3-alkylthio, cyano-C_1-C_3alkylthio, C_1-C_6alkylsulfinyl, C_1-C_6haloalkylsulfinyl, C_1-C_6alkylsulfonyl, C_1-C_6haloalkylsulfonyl, aminosulfonyl, C_1-C_2alkylaminosulfonyl, N,N-di(C_1-C_2alkyl)amino-sulfonyl, di(C_1-C_4alkyl)amino, halogen, cyano or nitro, and the substituents at the nitrogen atom in the heterocyclic ring being other than halogen, and two oxygen atoms not being located next to one another;

R_{25} is hydrogen, hydroxy, C_1-C_6alkyl, C_1-C_6haloalkyl, C_1-C_6alkoxy, C_1-C_6alkylcarbonyl, C_1-C_6alkoxycarbonyl or C_1-C_6alkylsulfonyl; and

n_1 is 0, 1 or 2; and n_6 is 0, 1 or 2;

or an agronomically acceptable salt/isomer/enantiomer/tautomer of such a compound.

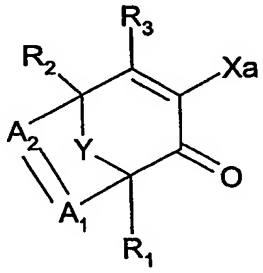
2. A compound of formula Da



(Da),

wherein Y, R_1, R_2, A_1 and A_2 are as defined for formula I in claim 1.

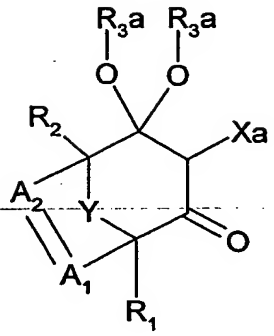
3. A compound of formula Db



(Db),

wherein A_1, A_2, R_1, R_2 and Y are as defined for formula I in claim 1, Xa is hydrogen, chlorine or bromine and R_3 is hydroxy or C_1-C_6alkoxy, with the exception of the compounds 3-chloro-8-oxa-bicyclo[3.2.1]oct-6-ene-2,4-dione; 3-chloro-bicyclo[3.2.1]oct-6-ene-2,4-dione; 3-chloro-4-hydroxy-bicyclo[3.2.1]octa-3,6-dien-2-one; 3,4-dibromo-8-oxa-bicyclo[3.2.1]octa-3,6-dien-2-one; 3,4-dibromo-1,5-dimethyl-8-oxa-bicyclo[3.2.1]octa-3,6-dien-2-one; 3,4-dibromo-bicyclo[3.2.1]octa-3,6-dien-2-one; 3,4-dichloro-8-oxa-bicyclo[3.2.1]octa-3,6-dien-2-one; 3,4-dichloro-bicyclo[3.2.1]octa-3,6-dien-2-one and 7,8-dibromo-5,9-dihydro-5,9-methano-benzo-cyclohepten-6-one.

4. A compound of formula VII



(VII),

wherein A_1, A_2, R_1, R_2, Y are as defined for formula I in claim 1, Xa is hydrogen, chlorine or bromine and R_3a is C_1-C_6alkyl or two R_3a together are $-CH_2CH_2-$.

5. A herbicidal and plant-growth-inhibiting composition, comprising a herbicidally effective amount of a compound of formula I according to claim 1 on an inert carrier.

6. A method of controlling undesired plant growth, which method comprises applying a compound of formula I according to claim 5, or a composition comprising such a compound, in a herbicidally effective amount to a plant or to the locus thereof.

7. A method of inhibiting plant growth, which method comprises applying a compound of formula I according to claim 5, or a composition comprising such a compound, in a herbicidally effective amount to a plant or to the locus thereof.